Bruhat Bangalore Mahanagara Palike

Draft Tender Schedule

Name of work: Balance works in Hoysala Playground and Construction of Samudhaya Bhavan in judicial layout in Ward No:04, Yelahanka

Sl No	Description of Work	Unit	Quantity	Rates	
				in figures	In Words
1	Supply and fixing of single skin **kalzip roofing** systems of 65/400, 0.9mm thick Aluminium standing seam roof sheets. The sheets comprise of Profiled sheeting of Aluminium self-supported standing seam roof system manufactured from Aluminium alloy AA 3004, minimum material thickness of 0.9mm and PVDF finishing RAL 9006 on the exposed surface with ST clips and necessary accessories. Structure: (i) Supplying, cutting, bending and fabricating hot rolled plates, sag rods, brackings and connection bolts to form a column, truss with base plates and purlins. (ii) Erection of the above truss work structure at required height. (iii) Providing and applying one coat of red oxide primer and two coats of synthetic enamel paint. The scope of work includes a) Design, Engineering, Fabrication and erection of steel structure, roof sheeting and facade system. b) Supply and installation of flashing, capping, screws and all other necessary accessories.	Sqm	333.00	15025.00	Fifteen Thousand Twenty Five Rupees and No Paise
2	**Removing and resetting footpath slab (P.no.270,I no.37.56 of P&IWTD SR 2018/19)**	Sqm	660.00	212.76	Two Hundred Twelve Rupees and Seventy Six Paise
3	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. **(P No. 143/ Item No. 19.1/PWD SR 2018-19)**	Cum	264.75	140.40	One Hundred Forty Rupees and Forty Paise
4	Providing and Fixing **pre cast covering Slab** made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. **(Data Rate)**	Sqm	198.00	2337.00	Two Thousand Three Hundred Thirty Seven Rupees and No Paise
5	b)Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.**(P.No.14, I.No. 4.10 of PWD SR 2018-19)**	Cum	2.23	6276.96	Six Thousand Two Hundred Seventy Six Rupees and Ninety Six Paise
6	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.**(P.No.18, I.No. 4.46.2 of PWD SR 2018-19)**	Tonn	0.48	76643.28	Seventy Six Thousand Six Hundred Forty Three Rupees and Twenty Eight Paise
7	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square rectangular polygon in plan including cost of all materials, labour complete as per specifications.**(P.No.16, I.No.4.32of PWD SR 2018-19)**	Sqm	23.76	492.48	Four Hundred Ninety Two Rupees and Forty Eight Paise
8	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs. Specification No. KBS 4.6.2 **(P.No.16, I.No.4.29 of PWD SR 2018-19)**	Sqm	10.29	432.00	Four Hundred Thirty Two Rupees and No Paise
9	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. zand lift upto 1.5m. Including cost of all labour complete as per specifications allow 60% of rate considered under item KSRB 2.3 **(P.No.7, I.No.2.11 of PWD SR 2018-19)**	Cum	49.70	130.68	One Hundred Thirty Rupees and Sixty Eight Paise
10	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. **(P.No.13, I.No.4.6 of PWD SR 2018-19)**	Cum	299.07	5855.76	Five Thousand Eight Hundred Fifty Five Rupees and Seventy Six Paise
11	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, with superplastisiser @3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.**(P.No.14, I.No.4.11 of PWD SR 2018-19)**	Cum	1.80	6111.72	Six Thousand One Hundred Eleven Rupees and Seventy Two Paise

12	KSRB 14.6-2 :Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (P.No. 103, I.No. 14.7 of CSR 2018-19)	Sqm	75.00	1198.80	One Thousand One Hundred Ninety Eight Rupees and Eighty Paise
13	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **(P.No.27, I.No.5.26.1 of PWD SR 2018-19)**	Sqm	193.50	1038.96	One Thousand Thirty Eight Rupees and Ninety Six Paise
14	KSRB 6.1: Providing and constructing burnt brick masonry for basement and superstructure with approved quality of non-modular bricks of standard size of class designation 3.5 Newton per sqm with cement mortar 1:8 including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 **(P.No.29, I.No.6.2 of PWD SR 2018-19)**	Cum	19.5348	6613.92	Six Thousand Six Hundred Thirteen Rupees and Ninety Two Paise
15	KSRB 12-6.1 : Providing 20mm square M.S footrest and fixing in manhole with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 12.4.6 **(P.No.75, I.No.11.44 of PWD SR 2018-19)**	Nos	10	298.08	Two Hundred Ninety Eight Rupees and Eight Paise
16	KSRB15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.**(P.No.115, I.No.15.9 of PWD SR 2018-19)**	Sqm	746.48	227.88	Two Hundred Twenty Seven Rupees and Eighty Eight Paise
17	KSRB 15.10.1 : Providing **white washing** to new wall surface in two coats with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications.**(P.No.117, I.No.15.38 of PWD SR 2018-19)**	Sqm	507.68	12.96	Twelve Rupees and Ninety Six Paise
18	KSRB 15-15.3 : Providing and applying painting in one coat with **plastic emulsion paint** of approved brand and manufacture on wall surface to give an even approved shade after throughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.**(P.No.120, I.No.15.52.1 of PWD SR 2018-19)**	Sqm	961.64	60.48	Sixty Rupees and Forty Eight Paise
19	KSRB 13-11.1 : Providing and placing on terrace, polyethylene **water storage tanks** with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity) Specification No. KBS 13.22 **(P.No.96, I.No.13.78 of PWD SR 2018-19)**	Nos	2.00	7374.24	Seven Thousand Three Hundred Seventy Four Rupees and Twenty Four Paise
20	KSRB 7.9: Providing and fixing M.S Grill work for windows and ventilators using M.S flats or M.S fsquare rods or combination of M.S flat and square rods as per approved deisgn, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materail, fixtures, labour and HOM of machinery complete as per specification. Specification No:KBS 7.12 **(P.No:34 Items No:7.9 of PWD SR 2018-19)**	kgs	5212.20	102.60	One Hundred Two Rupees and Sixty Paise
21	Providing and fixing M.S.Grill over existing compound wall as per Chief Architect drawing No. 12686, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification. **(P.No.44, I.No.7.36 of PWD SR 2018-19)**	Sqm	150.00	5798.52	Five Thousand Seven Hundred Ninety Eight Rupees and Fifty Two Paise
22	KSRB 9.4-4 : Providing WHITE Sal wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33. **(P.No.53, I.No.9.13 of PWD SR 2018-19)**	Cum	0.25	65391.84	Sixty Five Thousand Three Hundred Ninety One Rupees and Eighty Four Paise
23	KSRB 9-7.3 :Providing and fixing in position fully panelled Mathi/ Nandi wood shutters for doors, styles and rails of 30mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34 (P.No.54, I.No.9.22 of PWD SR 2018-19)	Sqm	7.56	4122.36	Four Thousand One Hundred Twenty Two Rupees and Thirty Six Paise
24	KSRB 15-17.3 : Applying priming coat over new wood surface and / or wood based surface after brushing with aluminium paint primer, water resistant including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications.**(P.No.121, I.No.15.57 of PWD SR 2018-19)**	Sqm	15.12	45.36	Forty Five Rupees and Thirty Six Paise
25	KSRB 15-17.19: Providing and applying painting one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications.**(P.No.123, I.No.15.71 of PWD SR 2018-19)**	Sqm	15.12	60.48	Sixty Rupees and Forty Eight Paise
26	KSRB 15-17.20: Applying additional one coat (excluding priming coat) on previously painted wood surface and / or wood based surface with black japan paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications.**(P.No.123, I.No.15.72 of PWD SR 2018-19)**	Sqm	15.12	54.00	Fifty Four Rupees and No Paise

27	Providing and fixing in position in cement concrete 1:3:6 Steel glazed windows and Ventilators side hung/top hung 2/3 openable 1/3 fixed as per approved drawings using Z angles of 25x33x3mm, weighing 1.419kg/m both for outer and inner frames and central mullion section of size 25x46x3 mm, weighing 2.28kg/m all duly providing T section 19x19x3 mm weighing 0.839kg/m for glazing of windows, not more than 34 cms, C to C including providing and fixing 4mm, thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S. 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and grinded electrically subdividing frames of unit shall be tenoneed and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corrosive paint and finishing two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour charges and HOM of machinery complete as per specifications.**(P.No.34, I.No.7.8 of PWD SR 2018-19)**	**Sqm**	**2.88**	**3594.24**	**Three Thousand Five Hundred Ninety Four Rupees and Twenty Four Paise**
28	Providing and fixing 12.5mm to 25 mm expanded metal work of 14 gauge with Mathi or Nandi wood patties of 50 mm x 12 mm size, including two coats approved paint etc., complete. (Including cost of screws). with weld mesh 75 mm X 25 mm 6G X 10G.**(P.No.270, I.No.37.55 of PWD SR 2018-19)**	**Sqm**	**386.4**	**1601.64**	**One Thousand Six Hundred One Rupees and Sixty Four Paise**
29	Providing and fixing 4mm thick glass panes to steel windows including T.W. beading of 10 mm thick and 2 coats of approved paints **(P.No.267, I.No.37.16 of PWD SR 2018-19)**	**Sqm**	**56.4**	**855.36**	**Eight Hundred Fifty Five Rupees and Thirty Six Paise**
30	KSRB 15-18.1 : Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications..(P.No.123, I.No.15.73 of PWD SR 2018-19)	**Sqm**	**12.00**	**44.28**	**Forty Four Rupees and Twenty Eight Paise**
31	Providing and laying plat form using prepolished, water cut / gang saw 40mm thick telephonic Black Granite. laid on existing vertical -supports and fixing in CM 1:3 proportion. Including cutting to required shape, pattern with paper joints, including full rounding for nosing, finished with cement mortar, pointed with colour pigments to match the colour of slab making through jointing with sealant, making holes 25mm x 12mm grooves in joints including curing. **(P.No. 110, I.No. 14.52 of PWD SR 2018-19)**	**Sqm**	**67.00**	**3807.00**	**Three Thousand Eight Hundred Seven Rupees and No Paise**
32	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) **(P.No. 266, I.No. 37.2 of PWD SR 2018-19)**	**Mtr**	**120.00**	**927.72**	**Nine Hundred Twenty Seven Rupees and Seventy Two Paise**
33	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint **(P.No. 266, I.No. 37.3 of PWD SR 2018-19)**	**Sqm**	**180.00**	**772.20**	**Seven Hundred Seventy Two Rupees and Twenty Paise**
34	**Providing & Fixing Name board (Lump Sum)**	**Nos**	**3**	**166666.67**	**One Lacs Sixty Six Thousand Six Hundred Sixty Six Rupees and Sixty Six Paise**
35	**Providing Dust Bins (MR)**	**Nos**	**30.00**	**5000.00**	**Five Thousand Rupees and No Paise**
36	LED Street light/Flood Light. Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs. 50000 hr. @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4 KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools.LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency	**Nos**	**20.00**	**43000.00**	**Forty Three Thousand Rupees and No Paise**
37	LED Street light/Flood Light. Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs. 50000 hr. @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4 KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools.LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency	**Nos**	**70.00**	**54000.00**	**Fifty Four Thousand Rupees and No Paise**

38	Supplying of LED Floodlight/High Baylight with .....W System Power consumption pressure die cast aluminum housing with powder coating with IP 65 protection. 1, 200-275V voltage with electronic Driver, PF>0.9, should meet ANSI 2G Vibration test, Compliance to UL/CE with Class I. System rating shall be 50K hrs. @ Lumen maintenance of 70%, system efficacy > 80lm/w. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above	Nos	40	23577	Twenty Three Thousand Five Hundred Seventy Seven Rupees and No Paise
39	Supply of 2'x2' LED recessed luminaire with ...Watts system wattage. Housing shall be with pressure die cast aluminum alloy with corrosion proof resistant polyester power coated. Driver operates with voltage range from 100V to 270V 50/60 Hz with short circuit, overload & mis-wiring protection. Lumen Maintenance of 70% at 50000 Hrs. Injection moulded poly carbonate diffuser for better mechanical stability, light transmission & avoid pot hole effect. Junction temperature shall be < 70 degree Celsius. Driver is on constant current driver @ 0.06A with PF > 0.92 with line voltage @ 220-240V @ 50/60Hz, driver efficiency > 85% & THD<15%. LED Efficiency > 130 lm/W at 1W & Fixture Efficiency >75lm/w with CRI > 75 with injection moulded Polycarbonate lens with < 80mm depth. 5 years Warranty against any manufacturing defect working under standard electrical condition LED modular down light 2'x2'-36 watts **SR No:26/4.33.2**	Nos	4	8242	Eight Thousand Two Hundred Forty Two Rupees and No Paise
40	Supply of 2'x2' LED recessed luminaire with ...Watts system wattage. Housing shall be with pressure die cast aluminum alloy with corrosion proof resistant polyester power coated. Driver operates with voltage range from 100V to 270V 50/60 Hz with short circuit, overload & mis-wiring protection. Lumen Maintenance of 70% at 50000 Hrs. Injection moulded poly carbonate diffuser for better mechanical stability, light transmission & avoid pot hole effect. Junction temperature shall be < 70 degree Celsius. Driver is on constant current driver @ 0.06A with PF > 0.92 with line voltage @ 220-240V @ 50/60Hz, driver efficiency > 85% & THD<15%. LED Efficiency > 130 lm/W at 1W & Fixture Efficiency >75lm/w with CRI > 75 with injection moulded Polycarbonate lens with < 80mm depth. 5 years Warranty against any manufacturing defect working under standard electrical condition LED modular down light 2'x2'-**55 watts SR No:26/4.33.3**	Nos	2	9373	Nine Thousand Three Hundred Seventy Three Rupees and No Paise
41	Fabricating, supplying and erecting swaged tubular pole of height ...Mtr having three sections, and providing two coats of red oxide paint and finished with two coats of enameled paint of approved quality and colour and M.S. base plate of suitable size welded at the bottom of the pole(as per IS) and 40mm dia GI / flexible PVC pipe of 1 mtr length fitted to the heavy gauge polycarbonate control box including 5way connector of size 167x125x82mm for 7.5M pole/200x160x98mm for remaining length of pole with front opening cover, with locking arrangements and suitable capacity MCB / DP switch, The pole shall be erected in cement concrete work (1:2:4) including excavation and refilling of planting depth of the pole to the ground level and the coping CC shall be up to 0.6M above ground level as per IS 2713 - 7. Erection of heavy duty pole on Footpath / median 10Mt (5Mt Hb,165.1mm dia 4.85mm thick x3M Hm, 139.7mm dia 4.50mm thick x 2M Ht,114.3mm dia 3.65mm thick) as per IS 410 SP 47 **SR No:34/5.13.1.2**	Nos	4	19000	Nineteen Thousand Rupees and No Paise
42	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.40x40x6mm **SR No:49/6.39.1**	Nos	150	263	Two Hundred Sixty Three Rupees and No Paise
43	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.16SWG **SR No:49/6.40.2**	Sqcms	150000	0.33	No Rupees and Thirty Three Paise
44	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) FOUR POLE100Amps 25kA.**SR No:46/6.13.B.6**	Nos	2	5809	Five Thousand Eight Hundred Nine Rupees and No Paise
45	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.5-32Amps SP **SR No:47/6.16.1**	Nos	20.0	418.0	Four Hundred Eighteen Rupees and No Paise
46	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. 4 core 16 sqmm **SR No:55/7.4.5**	Mtrs	1100	166	One Hundred Sixty Five Rupees and Fifty Paise
47	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. **3.5 core 35 sqmm SR No:55/7.4.6**	Mtrs	250	204	Two Hundred Four Rupees and No Paise
48	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. 6 sqmm to 16 sqmm **SR No:61/7.8.1**	Mtrs	1100.00	10.80	Ten Rupees and Eighty Paise

49	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. 25 sqmm to 75 sqmm **SR No:61/7.8.2**	Mtrs	250.00	16.20	Sixteen Rupees and Twenty Paise
50	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary) **SR No:61/7.9.1**	Mtrs	200.00	78.00	Seventy Eight Rupees and No Paise
51	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -B. 1)1 sqmm.**SR No:8/2.6.1**	Mtrs	100.00	10.75	Ten Rupees and Seventy Five Paise
52	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -B. 1.5 sqmm **SR No:8/2.6.2**	Mtrs	600.00	15.90	Fifteen Rupees and Ninety Paise
53	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -B. 2.5 sqmm **SR No:8/2.6.3**	Mtrs	300.00	24.90	Twenty Four Rupees and Ninety Paise
54	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -B..4 sqmm **SR No:8/2.6.4**	Mtrs	200.00	36.30	Thirty Six Rupees and Thirty Paise
55	Supplying heavy gauge PVC conduit pipe .....dia .....mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.19/20mm dia 2mm thick **SR No:2/1.1.1**	Mtrs	300.00	54.00	Fifty Four Rupees and No Paise
56	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm **SR No:62/7.1**	Mtrs	30.00	345.00	Three Hundred Forty Five Rupees and No Paise
57	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.200mmx200mmx98mm **SR No:58/6.41.1**	Mtrs	75.00	2178.00	Two Thousand One Hundred Seventy Eight Rupees and No Paise
58	Providing and Supplying Submersible single Phase 2.0 HP /1.5 KW 30 Stage Capacity Company for ATALANTA / SUGUNA / CRI / KIRLOSKAR / OTHER EQUIVALENT PUMPS.**(KPWD SR 2018-19, P.No:XLIII, Sl.No.:17)**	Nos	1.00	22237.20	Twenty Two Thousand Two Hundred Thirty Seven Rupees and Twenty Paise
59	**Electrification & Automatic On/Off Sensor system**	Nos	1.00	60000.00	Sixty Thousand Rupees and No Paise

Executive Engineer
Project Division, Yelahanka Zone
Bruhat Bangalore Mahanagara Palike

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